

Yeast Food: Parent Instructions

Use Scientific Inquiry to find out what yeast likes to eat!

Materials:

1 tablespoon of dry yeast

1 cup of warm water

5 small, plastic cups

a spoon

$\frac{1}{2}$ teaspoon of yeast food: flour, sugar, salt, syrup, milk, and anything else you think yeast might like.

Step 1: Observe

Have your child look around your kitchen. What kinds of food does he/she like to eat? Which foods are good for you? Write down these observations in the experiment log.

Step 2: Hypothesize

Explain to your child that yeast is a tiny cell that helps bakers make bread. Ask you child what kinds of food yeast might like to eat.

Write down this hypothesis in the experiment log.

Step 3: Experiment

1. Put the yeast in the warm water and stir it until the

yeast is completely mixed.

2. Label each cup with a kind of yeast food. Label one cup "water."
3. Put 2 tablespoons of the yeast into the plastic cups.
4. Put $\frac{1}{2}$ teaspoon of yeast food into the plastic cup with the matching label.
5. Stir the yeast and food mixtures. Make sure to clean the spoon in between cups.
6. Put the cups of yeast in a warm place for 10 minutes. If the yeast like the food you gave them, bubbles will form on the top of the mixture.

Step 4: Conclude

Which cups formed bubbles the fastest? Which cups formed the most bubbles? Which foods did the yeast like best? Which took the longest? Were there any cups with no bubbles? Write these answers in the experiment log.

Yeast Food: Kids' Instructions

Use Scientific Inquiry to find out what yeast likes to eat!

Materials:

1 tablespoon of dry yeast

1 cup of warm water

5 small, plastic cups

a spoon

$\frac{1}{2}$ teaspoon of yeast food: flour, sugar, salt, syrup, milk, and anything else you think yeast might like.

Step 1: Observe

Look around your kitchen. What kinds of food do you like to eat? Which foods are good for you? Write down your observations in your experiment log.

Step 2: Hypothesize

Yeast is a tiny cell that helps bakers make bread. What do you think yeast likes to eat?

Write down your hypothesis in your experiment log.

Step 3: Experiment

1. Put the yeast in the warm water and stir it until the yeast is completely mixed.

2. Label each cup with a kind of yeast food. Label one cup "water."
3. Put 2 tablespoons of the yeast into the plastic cups.
4. Put one kind of yeast food into each of the plastic cups, make sure you match the kind of food with the label that you put on the cups in step 2!
5. Stir the yeast and food mixtures. Make sure you clean the spoon in between cups.
6. Put the cups of yeast in a warm place for 10 minutes. If the yeast likes the food you gave them, you will see bubbles form on the top of the mixture.

Step 4: Conclude

Which cups formed bubbles the fastest? Which cups formed the most bubbles? Which foods did the yeast like best? Which took the longest? Were there any cups with no bubbles? Write your answers in your experiment log book.

Yeast Food Log Sheet

1. What I Observed:

2. My Prediction:

3. What Happened?

4. My Conclusion: